

BURGLAR ALARM SYSTEM HAVING REDUCED WIRING

ABSTRACT

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Normal hard-wired domestic burglar alarms have cables with six conductors extending between the alarm control panel and each event sensor (such as a PIR). Two of the conductors might provide current to a motion detector, two of the conductors might provide a circuit for a tamper switch, and two of the conductors might provide an indication of the motion detected by the motion detector. Wiring costs are reduced in the present invention by providing only two conductors which work to provide all of the functions of a six-conductor cable. To attach the two-conductor cable to a six-point terminal on the control panel, a special signal accessor and separator circuit is provided with six contacts to attach to the control panel terminals and two terminals for connecting to the conductor cable.